

FIG. 1



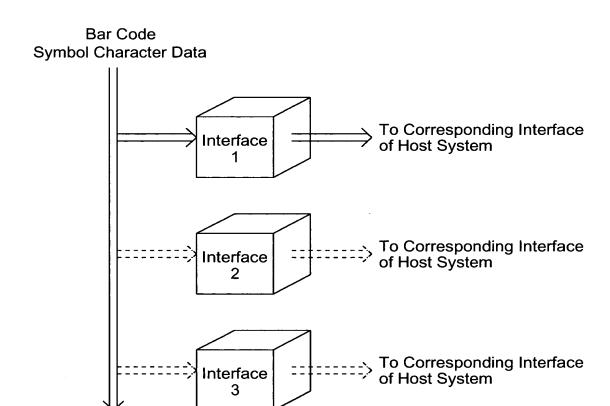
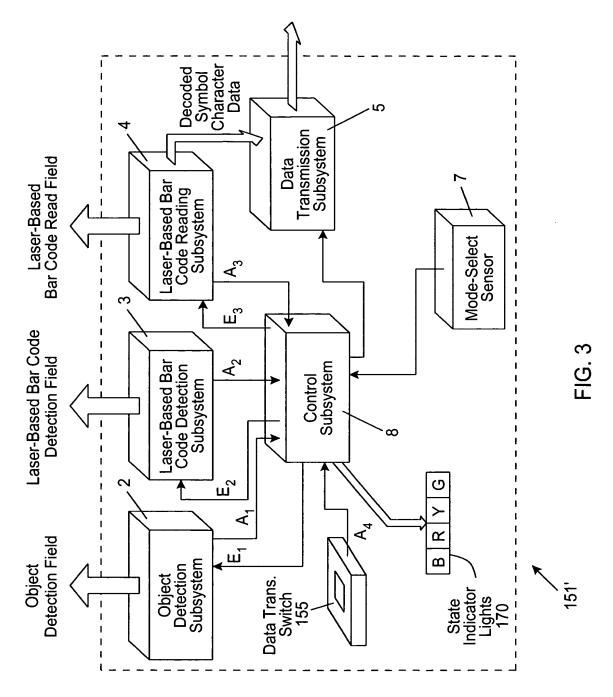
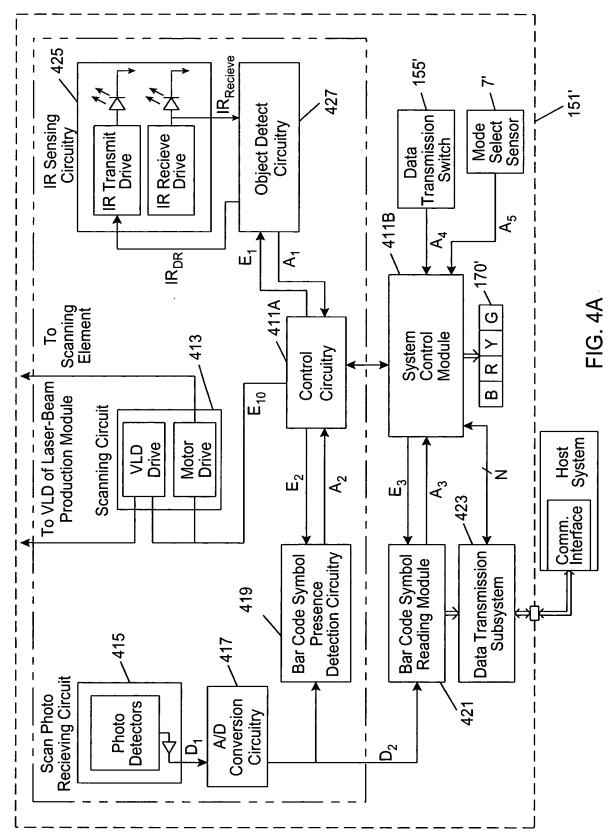


FIG. 2









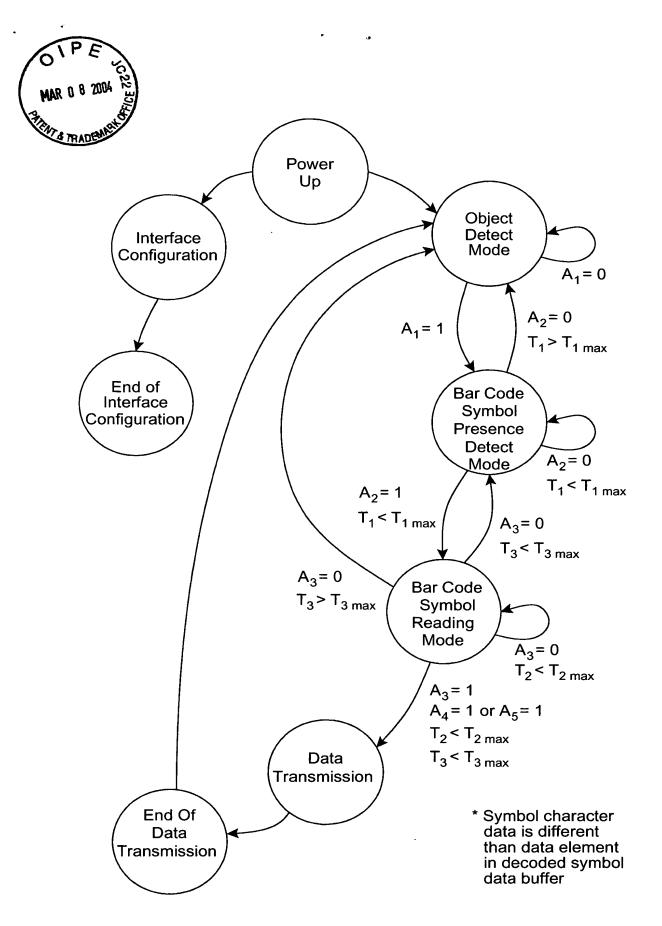
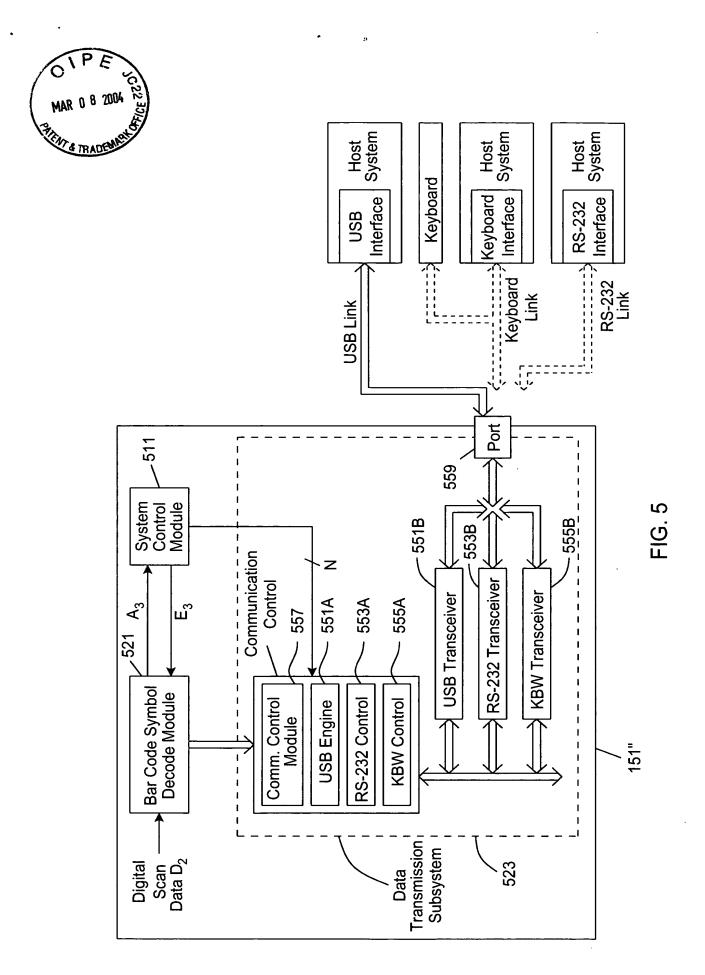


FIG. 4B



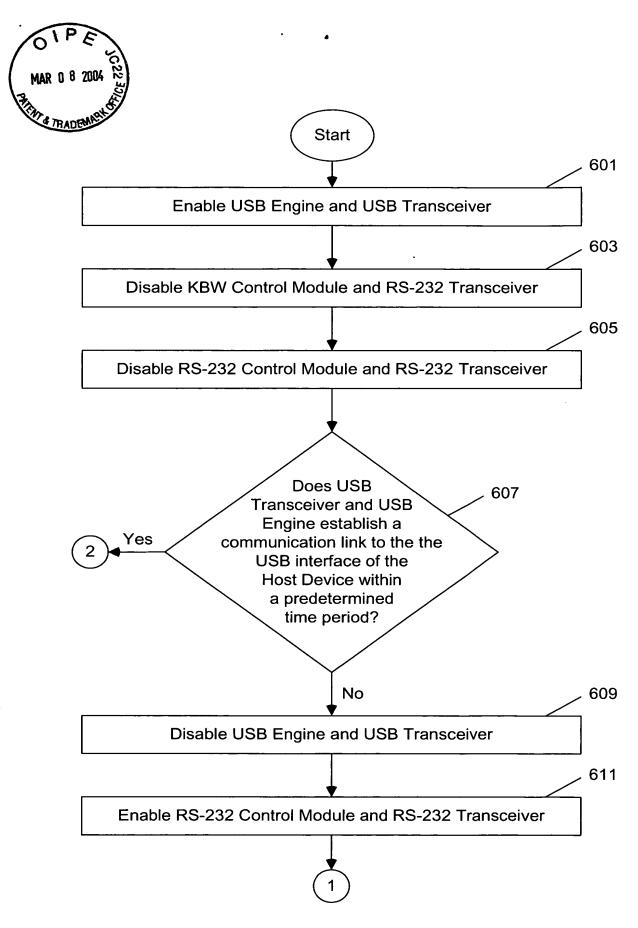


FIG. 6A



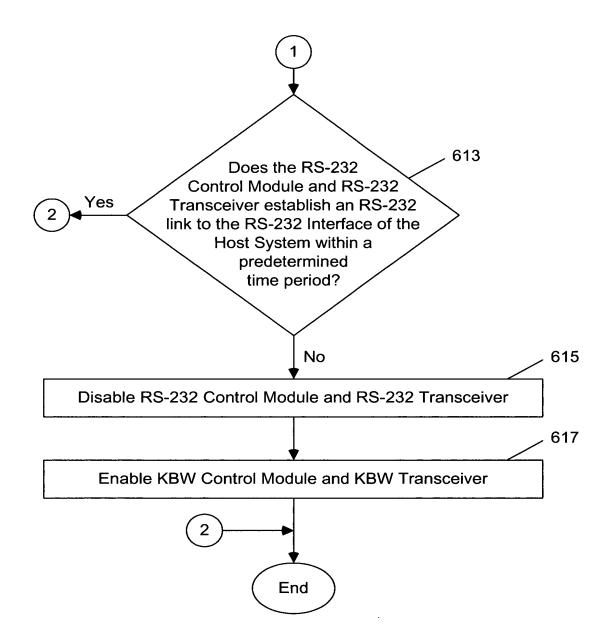


FIG. 6B



RS-232 Waveform

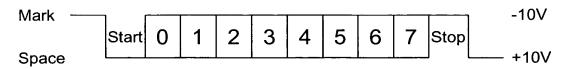


FIG. 7

Keyboard to Host Waveform Idle +5V Clock 0V Idle +5V 0 2 3 4 5 6 Stop Start Data 0V

FIG. 8A

Host to Keyboard Waveform

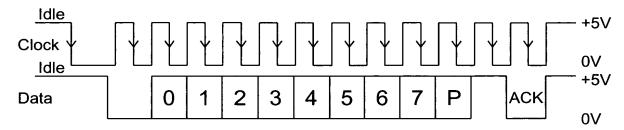
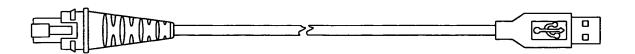


FIG. 8B





10-Pin Connector (USB)	
Pin	Function
1	Ground
2	D-
3	D+
4	No Connection
5	No Connection
6	No Connection
7	PC+5V/V_USB
8	No Connection
9	No Connection
10	Shield Ground

USB Cable Connector	
Pin	Function
1	PC+5V/V_USB
2	D-
3	D+
4	Ground
5	Shield Ground

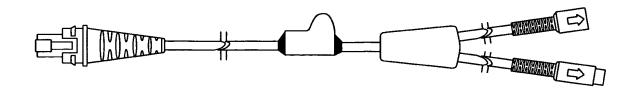




10-Pin Connector (RS-232)		
Pin	Function	
1	Ground	
2	RS-232 Transmit Output	
3	RS-232 Receive Input	
4	RTS Output	
5	CTS Input	
6	DTR Input	
7	No Connection	
8	No Connection	
9	+5VDC	
10	Shield Ground	

RS-232 Cable		
Connector		
Pin	Function	
1	Shield Ground	
2	RS-232 Transmit Output	
3	RS-232 Receive Input	
4	DTR Input	
5	Power/Signal Ground	
6	Light Pen Data	
7	CTS Input	
8	RTS Output	
9	+5VDC*	

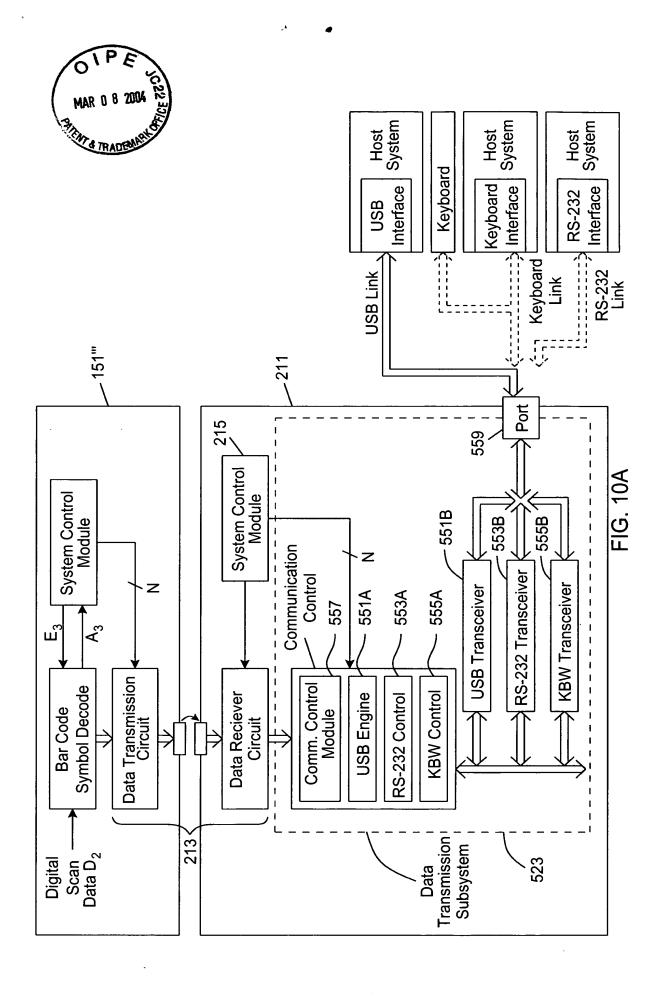




10-Pin Connector (KBW)		
Pin	Function	
1	Ground	
2	No Connection	
3	No Connection	
4	PC Data	
5	PC Clock	
6	KB Clock	
7	+5V DC	
8	KB Data	
9	V_EXT	
10	No Connection	

5-Pin Female DIN	
Pin	Function
1	Keyboard Clock
2	Keyboard Data
3	No Connection
4	Power Ground
5	+5 Volts DC

6-Pin Male Mini-DIN		
Pin	Function	
1	PC Data	
2	No Connection	
3	Power Ground	
4	+5 Volts DC	
5	PC Clock	
6	No Connection	



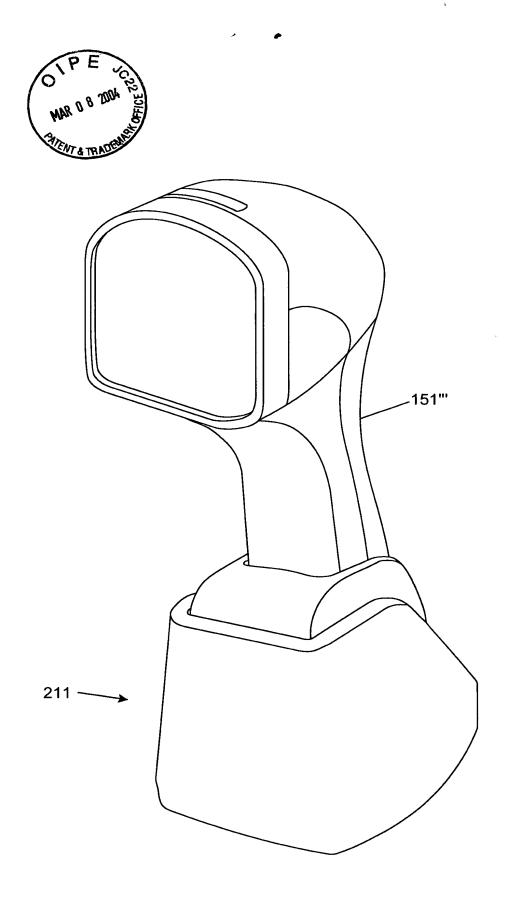


FIG. 10B



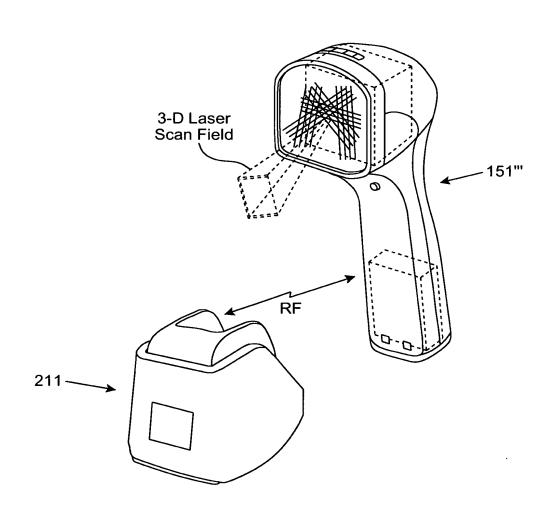


FIG. 10C

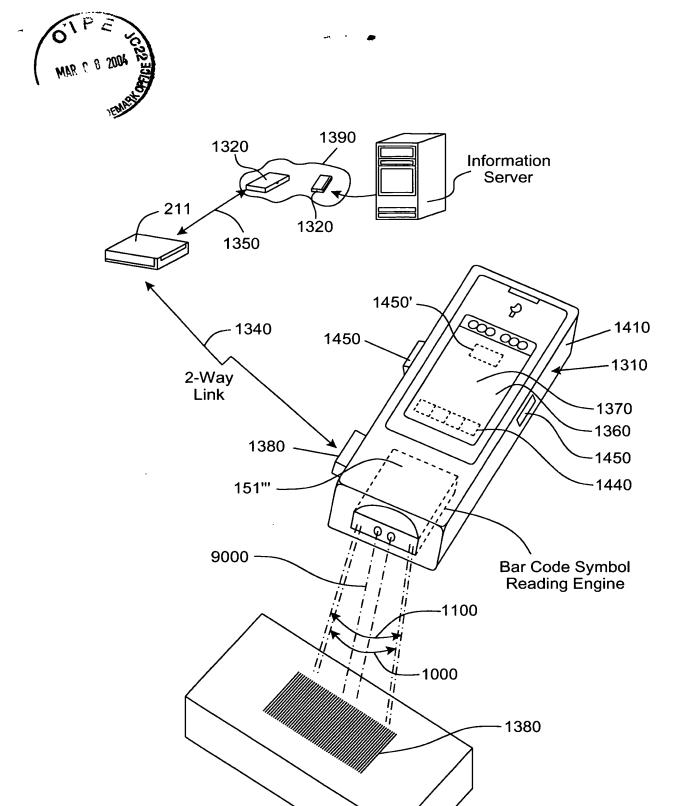


FIG. 11